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Terms	Documents
6473760.pn.	2

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US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
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IBM Technical Disclosure Bulletins

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<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
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<u>L26</u>	6224048.pn.	2	<u>L26</u>
<u>L25</u>	6133985.pn.	2	<u>L25</u>
<u>L24</u>	6076091.pn.	2	<u>L24</u>
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<u>L21</u>	5937393.pn.	3	<u>L21</u>
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<u>L18</u>	5793964.pn.	2	<u>L18</u>
<u>L17</u>	5778367.pn.	2	<u>L17</u>
<u>L16</u>	5758327.pn.	2	<u>L16</u>
<u>L15</u>	5748484.pn.	2	<u>L15</u>
<u>L14</u>	5709374.pn.	2	<u>L14</u>
<u>L13</u>	5579447.pn.	2	<u>L13</u>
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<u>L8</u>	5343556.pn.	2	<u>L8</u>
<u>L7</u>	5056029.pn.	2	<u>L7</u>
<u>L6</u>	5036472.pn.	2	<u>L6</u>
<u>L5</u>	4873643.pn.	2	<u>L5</u>
<u>L4</u>	4839829.pn.	2	<u>L4</u>
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<u>L2</u>	5844554.pn.	2	<u>L2</u>
<u>L1</u>	5563999.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

**WEST**  

L2: Entry 1 of 2

File: USPT

Dec 1, 1998

US-PAT-NO: 5844554

DOCUMENT-IDENTIFIER: US 5844554 A

TITLE: Methods and systems for user interfaces and constraint handling configurations software

DATE-ISSUED: December 1, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Geller; Scott D.	Atlanta	GA		
Heyda; Michael S.	Duluth	GA		
Nees; Robert	Canton	GA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
BT Squared Technologies, Inc.	Atlanta	GA			02

APPL-NO: 08/ 718645 [PALM]

DATE FILED: September 17, 1996

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 345/333, 345/335, 345/347, 345/962, 345/967

US-CL-CURRENT: 345/744, 345/808, 345/866, 345/962, 345/967

FIELD-OF-SEARCH: 345/326, 345/333, 345/339, 345/342, 345/343, 345/347, 345/964, 345/968, 345/970, 345/335, 345/348, 345/962, 345/965, 705/1-4, 705/26, 705/29

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4591983</u>	May 1986	Bennett et al.	395/65
<input type="checkbox"/> <u>4688195</u>	August 1987	Thompson et al.	395/12
<input type="checkbox"/> <u>4920499</u>	April 1990	Skeirik	395/12
<input type="checkbox"/> <u>4992940</u>	February 1991	Dworkin	705/26
<input type="checkbox"/> <u>5032989</u>	July 1991	Tornetta	705/1
<input type="checkbox"/> <u>5212634</u>	May 1993	Washizaki et al.	364/400
<input type="checkbox"/> <u>5228116</u>	July 1993	Harris et al.	395/54
<input type="checkbox"/> <u>5260866</u>	November 1993	Lisinki et al.	705/29
<input type="checkbox"/> <u>5267146</u>	November 1993	Shimizu et al.	364/512
<input type="checkbox"/> <u>5307260</u>	April 1994	Watanabe et al.	395/500
<input type="checkbox"/> <u>5307261</u>	April 1994	Maki et al.	705/29
<input type="checkbox"/> <u>5311424</u>	May 1994	Mukherjee et al.	705/29
<input type="checkbox"/> <u>5367627</u>	November 1994	Johnson	345/357
<input type="checkbox"/> <u>5369732</u>	November 1994	Lynch et al.	395/51
<input type="checkbox"/> <u>5446653</u>	August 1995	Miller et al.	705/4
<input type="checkbox"/> <u>5471596</u>	November 1995	Brown, III	707/103
<input type="checkbox"/> <u>5493490</u>	February 1996	Johnson	705/26
<input type="checkbox"/> <u>5515524</u>	May 1996	Lynch et al.	395/500
<input type="checkbox"/> <u>5523942</u>	June 1996	Tyler et al.	705/4

## OTHER PUBLICATIONS

The advertising brochure "Trilogy PriceBuilder", Trilogy Development, Inc. The date of availability of this brochure and of the described item is not known, but is believed to be more than one year before the filing date of the present application. The advertising brochure "SC Config", Trilogy Development, Inc. The date of availability of this brochure and of the described item is not known, but is believed to be more than one year before the filing date of the present application.

The advertising brochure "sellingPoint.TM.", Concentra Corporation, Burlington, MA. Except for the copyright notice date of 1995 printed on the brochure, the date of availability of this brochure and of the described item is not known.

The advertising brochure "SalesLogic.TM.", OBJIX Systems Development, Inc. Except for the copyright notice date of 1996 printed on the brochure, the date of availability of this brochure and of the described item is not known.

The advertising brochure "CLASSYS", Antalys. The date of availability of this brochure and of the described item is not known.

A CD-ROM identified as "Calico Demos", Calico Technology, Inc., San Jose, California. The date of availability of Calico Technology's configurator software is not known, but is believed to be more than one year before the filing date of the present application.

ART-UNIT: 273

PRIMARY-EXAMINER: Ba; Huynh

## ABSTRACT:

A computer implemented method of generating a user product configuration program module from a development environment. The user product configuration program module includes user controls that allow user input of information for use in configuration computations. Methods are disclosed for creating and maintaining the logic for a configuration program module in the form of configuration parameters; creating and maintaining the visual controls and user interface; and linking created visual controls with underlying structure represented by the parameters. Parameters assume values and are indicated as valid or invalid through operation of constraints and queries. Further methods include display of parameter creation and selection windows, and query creation and selection windows for creating SQL queries to access data in external tables. Parameters, queries, and constraints can be displayed in

expandable and collapsible hierarchies, and quickly utilized formulas, queries, and logical expressions by clicking in an expanded hierarchical display. Dependencies occurring in the underlying configuration logic are evaluated in both the forward and reverse direction so as to provide for very fast execution of the resultant configuration program module when a user provides new data via a user control.

47 Claims, 50 Drawing figures

**WEST** Generate Collection 

L3: Entry 1 of 2

File: USPT

Mar 28, 1989

US-PAT-NO: 4817043  
DOCUMENT-IDENTIFIER: US 4817043 A

TITLE: Information kiosk

DATE-ISSUED: March 28, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Johnny M.	Coralville	IA	52241	

APPL-NO: 07/ 213026 [PALM]  
DATE FILED: June 28, 1988

INT-CL: [04] G06F 15/66

US-CL-ISSUED: 364/518; 346/154  
US-CL-CURRENT: 345/810; 347/900, 358/1.12, 358/1.6

FIELD-OF-SEARCH: 364/518-523, 358/300-302, 358/345, 358/347, 358/903, 346/160,  
346/17R, 346/108, 346/154, 340/795-796, 340/809, 340/716

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3637934</u>	June 1972	Brewstor	358/301
<input type="checkbox"/> <u>4745560</u>	May 1988	Pecker et al.	364/519
<input type="checkbox"/> <u>4764880</u>	August 1988	Pearl	364/519

ART-UNIT: 211

PRIMARY-EXAMINER: Evans; Arthur G.

## ABSTRACT:

An information kiosk is disclosed which provides interactive operation with an unfamiliar user. A video display provides instructions and solicited information to the user who enters choices on a keypad input device. The kiosk provides printed information which the user may carry away from the kiosk. Graphic as well as textual information is dispensed by the kiosk.

20 Claims, 4 Drawing figures

**WEST**  

L4: Entry 1 of 2

File: USPT

Jun 13, 1989

US-PAT-NO: 4839829

DOCUMENT-IDENTIFIER: US 4839829 A

TITLE: Automated printing control system

DATE-ISSUED: June 13, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Freedman; Henry B.	Lake Harmony	PA	18624	

APPL-NO: 06/ 927886 [PALM]

DATE FILED: November 5, 1986

INT-CL: [04] G06F 15/46

US-CL-ISSUED: 364/519; 101/248, 364/518

US-CL-CURRENT: 345/751; 101/248, 345/853, 345/961, 358/1.1, 358/1.15, 379/100.04,  
379/93.17, 710/15, 715/527

FIELD-OF-SEARCH: 364/518-521, 364/469, 364/470, 364/471, 101/248

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NUM	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>T918004</u>	January 1974	Chappell et al	364/300
<input type="checkbox"/> <u>3581072</u>	May 1971	Nymeyer	364/300
<input type="checkbox"/> <u>3703006</u>	November 1972	Sharma	364/300
<input type="checkbox"/> <u>3905045</u>	September 1975	Nickel	364/300
<input type="checkbox"/> <u>3930251</u>	December 1975	Salava et al.	364/523
<input type="checkbox"/> <u>3988570</u>	October 1976	Murphy et al.	235/382
<input type="checkbox"/> <u>4007362</u>	February 1977	Sindermann	364/518
<input type="checkbox"/> <u>4017831</u>	April 1977	Tieden et al.	348/825.72
<input type="checkbox"/> <u>4231096</u>	October 1980	Hansen et al.	364/523
<input type="checkbox"/> <u>4400783</u>	August 1983	Locke, Jr. et al.	364/483
<input type="checkbox"/> <u>4433426</u>	February 1984	Forster et al.	377/2
<input type="checkbox"/> <u>4449186</u>	May 1984	Kelly et al.	364/407
<input type="checkbox"/> <u>4468750</u>	August 1984	Chamoff et al.	364/900
<input type="checkbox"/> <u>4475156</u>	October 1984	Federico et al.	364/300
<input type="checkbox"/> <u>4484522</u>	November 1984	Simeth	101/248
<input type="checkbox"/> <u>4495582</u>	January 1985	Dessert et al.	364/469
<input type="checkbox"/> <u>4578768</u>	March 1986	Racine	364/560
<input type="checkbox"/> <u>4584648</u>	April 1986	Slugos	364/464
<input type="checkbox"/> <u>4601003</u>	July 1986	Yoneyama et al.	364/518

ART-UNIT: 231

PRIMARY-EXAMINER: Harkcom; Gary V.

ASSISTANT-EXAMINER: Herndon; H. R.

## ABSTRACT:

A system for automated control of the printing of a work comprises a first terminal adapted for use by a printing requester for receiving from the requester a information concerning parameters for the printing of the work. A second terminal is adapted for use by a printing facility for receiving from the printing facility pricing and administrative information concerning the printing of a work. A programmed computer having a memory and input/output means is provided in communication with the first and second terminals. The computer interacts with the printing requester through the first terminal for receiving and storing the printing parameter information. The computer interacts with the printing facility for receiving and storing pricing and administrative information concerning the printing of the work. The pricing and administrative information is transmitted to the first terminal for use by the printing requester.

64 Claims, 6 Drawing figures

## WEST

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L5: Entry 1 of 2

File: USPT

Oct 10, 1989

US-PAT-NO: 4873643

DOCUMENT-IDENTIFIER: US 4873643 A

TITLE: Interactive design terminal for custom imprinted articles

DATE-ISSUED: October 10, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Powell; Kenneth A.	Ann Arbor	MI		
Crawford; Andrew S.	Ann Arbor	MI	48103	

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Crawford; Andrew S.	Ann Arbor	MI			04

APPL-NO: 07/ 111412 [PALM]

DATE FILED: October 22, 1987

INT-CL: [04] G06F 15/46

US-CL-ISSUED: 364/468; 364/188, 364/192, 364/470, 364/521

US-CL-CURRENT: 700/103; 345/632, 700/132, 700/87

FIELD-OF-SEARCH: 364/468, 364/470, 364/474.24, 364/188, 364/189, 364/191-193, 364/514, 364/518, 364/519, 364/521, 364/513, 364/9MSFile, 340/723, 340/724

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4275449	June 1981	Aish	364/900 X
<input type="checkbox"/> 4546434	October 1985	Gioello	364/192 X
<input type="checkbox"/> 4598376	July 1986	Burton et al.	364/192 X
<input type="checkbox"/> 4700317	October 1987	Watanabe et al.	364/512 X
<input type="checkbox"/> 4700318	October 1987	Ockman	364/188 X
<input type="checkbox"/> 4736306	April 1988	Christensen et al.	364/191 X

ART-UNIT: 236

PRIMARY-EXAMINER: Ruggiero; Joseph

## ABSTRACT:

The present invention is an interactive design terminal for custom imprinted articles. A memory stores a plurality of print design elements and a set of design rules for combination of the design elements in accordance with selections made by

an operator. The interactive design terminal presents an ordered sequence of print design choices to the operator via a video display and preferably stores the results of the operator selections. The interactive design terminal provides a display of the operator selections, preferably in a graphics display of a depiction of the resulting imprinted article, and detects conflicts between operator selections.

18 Claims, 16 Drawing figures

**WEST** **Generate Collection** 

L6: Entry 1 of 2

File: USPT

Jul 30, 1991

US-PAT-NO: 5036472

DOCUMENT-IDENTIFIER: US 5036472 A

TITLE: Computer controlled machine for vending personalized products or the like

DATE-ISSUED: July 30, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Stephen P.	Kansas City	MO		
Robinson; Richard A.	Parkville	MO		
Hurlburt; John H.	Lee's Sumit	MO		
Pfahl; Kurt A.	Leawood	MO		
Doerflinger; Arthur E.	Kansas City	MO		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hallmark Cards, Inc.	Kansas City	MO			02

APPL-NO: 07/ 282013 [PALM]

DATE FILED: December 8, 1988

INT-CL: [05] G06F 15/20

US-CL-ISSUED: 364/479; 364/468

US-CL-CURRENT: 700/233; 347/110, 700/234, 700/235

FIELD-OF-SEARCH: 364/471, 364/478, 364/479, 364/519, 364/520, 364/518, 364/468, 221/9, 101/211, 414/793, 414/796

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#"><u>4414896</u></a>	November 1983	Fischer	101/211
<input type="checkbox"/> <a href="#"><u>4616327</u></a>	October 1986	Rosewarne et al.	364/520
<input type="checkbox"/> <a href="#"><u>4623292</u></a>	October 1986	Suzuki et al.	414/796
<input type="checkbox"/> <a href="#"><u>4625275</u></a>	November 1986	Smith	364/479
<input type="checkbox"/> <a href="#"><u>4677565</u></a>	June 1987	Ogaki et al.	364/479
<input type="checkbox"/> <a href="#"><u>4699532</u></a>	October 1987	Smith	364/479
<input type="checkbox"/> <a href="#"><u>4733362</u></a>	March 1988	Haraguchi	364/479
<input type="checkbox"/> <a href="#"><u>4789147</u></a>	December 1988	Berger et al.	364/471
<input type="checkbox"/> <a href="#"><u>4817043</u></a>	March 1989	Brown	364/518
<input type="checkbox"/> <a href="#"><u>4873643</u></a>	October 1989	Powell et al.	364/468
<input type="checkbox"/> <a href="#"><u>4896791</u></a>	January 1990	Smith	364/479
<input type="checkbox"/> <a href="#"><u>4949257</u></a>	August 1990	Orbach	364/479
<input type="checkbox"/> <a href="#"><u>4970655</u></a>	November 1990	Winn et al.	364/479

ART-UNIT: 236

PRIMARY-EXAMINER: Smith; Jerry

ASSISTANT-EXAMINER: Trammell; Jim

## ABSTRACT:

A machine for vending greeting cards or other personalized or customized products includes audio and video presentations of available products and options available to a customer, provisions for payment and apparatus for automatic delivery of products. Base products such as preprinted forms are stored for selective transfer by a robot device to modifying apparatus such as a printer, modified products being delivered to a delivery receptacle, all operations being under computer control and being changeable as desired for adding or substituting new forms of products.

28 Claims, 17 Drawing figures

**WEST**
  

L8: Entry 1 of 2

File: USPT

Aug 30, 1994

US-PAT-NO: 5343556

DOCUMENT-IDENTIFIER: US 5343556 A

TITLE: System for addressing envelopes

DATE-ISSUED: August 30, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Silverberg; Morton	Westport	CT		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Pitney Bowes Inc.	Stamford	CT			02

APPL-NO: 07/ 747581 [PALM]

DATE FILED: August 20, 1991

INT-CL: [05] G06F 15/00

US-CL-ISSUED: 395/111; 395/117

US-CL-CURRENT: 358/1.12; 358/1.18

FIELD-OF-SEARCH: 395/117, 395/111, 395/101, 271/287-298, 355/308, 355/321, 355/325, 355/323, 358/498, 346/134

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4524691</u>	June 1985	Miller	101/232
<input type="checkbox"/> <u>4603846</u>	August 1986	Miles	271/2
<input type="checkbox"/> <u>4625651</u>	December 1986	Theurer	104/7.2
<input type="checkbox"/> <u>4731741</u>	March 1988	Allen	364/518
<input type="checkbox"/> <u>4807805</u>	February 1989	Rutkowski	229/69

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0095737	July 1983	EP	

## OTHER PUBLICATIONS

Hoffman Eitle &amp; Partner, Search Report, Ref. No. 57 672 a/fi, Mar. 11, 1993.

ART-UNIT: 237

PRIMARY-EXAMINER: Evans; Arthur G.

**ABSTRACT:**

A system for printing envelopes which includes a laser printer operating under control of a microcomputer. The printer includes a pair of parallel envelope paths for printing pairs of envelopes simultaneously, and also has a capability to print single envelopes as they are transported along the center line of the printer. The microcomputer controls the printer to print sequences of addresses on the envelopes. When envelope are printed in pairs the microcomputer forms subsequences of addresses which are printed on groups of envelopes so that the groups can be concatenated into larger groups with addresses in sequence. Movement through the printer is controlled by pairs of sensor which are "anded" and symmetrically spaced around the center line so that the sensors can control either a pair of envelopes or a single envelope transported along the center line of the printer.

15 Claims, 4 Drawing figures

**WEST**
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L9: Entry 1 of 2

File: USPT

Nov 14, 1995

US-PAT-NO: 5467434

DOCUMENT-IDENTIFIER: US 5467434 A

TITLE: Apparatus and method for determining printer option availability and representing conflict resolution in a combination of print job selections

DATE-ISSUED: November 14, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hower, Jr.; John D.	Fairport	NY		
Campanella; Michael L.	Webster	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 07/ 936477 [PALM]

DATE FILED: August 28, 1992

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 395/114; 395/112

US-CL-CURRENT: 358/1.15; 358/1.13

FIELD-OF-SEARCH: 395/110, 395/114, 395/112, 395/109, 395/101, 395/200, 395/325, 395/500, 358/407, 358/408, 358/402, 358/467, 358/468, 400/70, 400/71, 400/72, 400/73, 400/74, 400/75, 355/200, 355/202, 355/210, 355/77

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4970554	November 1990	Rourke	355/202
<input type="checkbox"/> 5049929	September 1991	Anderson et al.	355/204
<input type="checkbox"/> 5113355	May 1992	Nomura	395/109
<input type="checkbox"/> 5129639	July 1992	Dehority	270/1.1
<input type="checkbox"/> 5179637	January 1993	Nardozzi	395/114
<input type="checkbox"/> 5228118	July 1993	Sasaki	395/114
<input type="checkbox"/> 5361332	November 1994	Yoshida et al.	395/114

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2177824	January 1987	GB	

## OTHER PUBLICATIONS

Panl Hammond, "Workstation Power Speeds Up Printing", Computer Technology Review, vol. 12, No. 8, Jul. 1992, Los Angeles US, p. 12.

ART-UNIT: 245

PRIMARY-EXAMINER: Bayerl; Raymond J.

ASSISTANT-EXAMINER: Popovici; Dov

ABSTRACT:

A printing arrangement of the type having a printer bank with a plurality of printers which are respectively associated with printer profiles and each of the printer profiles has a list of printer properties available at the printer with which the printer profile is associated. The printing arrangement includes: an input section, located remotely from the printer bank, with a user interface for programming a combination of print job selections and a memory section for storing a selected one of the printer profiles; and a combination examiner for comparing the programmed combination of print job selections from the user interface with a combination of printer properties available in the selected one of the printer profiles from the memory section. The combination of print job selections is transmitted to one of the plurality of printers associated with the selected one of the printer profiles when the combination of print job selections corresponds with the combination of printer properties available at the selected printer.

18 Claims, 20 Drawing figures

**WEST**  

L11: Entry 1 of 2

File: USPT

Sep 3, 1996

US-PAT-NO: 5552994

DOCUMENT-IDENTIFIER: US 5552994 A

TITLE: System for printing social expression cards in response to electronically transmitted orders

DATE-ISSUED: September 3, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cannon; Thomas G.	Loveland	CO		
DeHart; Daniel L.	Loveland	CO		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Onkor, Ltd.	Loveland	CO			02

APPL-NO: 08/ 090803 [PALM]

DATE FILED: July 12, 1993

## PARENT-CASE:

RELATED APPLICATION The present application is a continuation-in-part of co-pending U.S. patent application Ser. No. 07/949,715 of Cannon, et al., entitled "System for Printing Social Expression Cards", filed on Sep. 23, 1992.

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 364/468.01; 364/479.03

US-CL-CURRENT: 700/95; 700/233

FIELD-OF-SEARCH: 364/478, 364/479, 364/468, 364/401-412, 235/379, 235/381, 235/382, 235/383, 395/155-161

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

## Record Display Form

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>3949375</u>	April 1976	Ciarlo	340/172
<u>4149246</u>	April 1979	Goldman	
<u>4181955</u>	January 1980	Mittelman et al.	
<u>4300040</u>	November 1981	Gould et al.	235/381
<u>4495582</u>	January 1985	Dessert et al.	364/469
<u>4654482</u>	March 1987	DeAngelis	379/95
<u>4750036</u>	June 1988	Martinez	
<u>4768766</u>	September 1988	Berger et al.	
<u>4817043</u>	March 1989	Brown	364/518
<u>4829453</u>	May 1989	Katsuta et al.	
<u>4839829</u>	June 1989	Freedman	364/519
<u>4852013</u>	July 1989	Durst, Jr. et al.	364/478
<u>4873643</u>	October 1989	Powell et al.	364/468
<u>4876592</u>	October 1989	Von Kohorn	358/455
<u>4899292</u>	February 1990	Montagna et al.	364/821
<u>4939670</u>	July 1990	Freiman et al.	
<u>4947028</u>	August 1990	Gorog	235/381
<u>4992940</u>	February 1991	Dworkin	364/401
<u>5027400</u>	June 1991	Baji et al.	380/358
<u>5036472</u>	July 1991	Buckley et al.	364/479
<u>5056029</u>	October 1991	Cannon	364/468
<u>5062059</u>	October 1991	Youngblood et al.	
<u>5077607</u>	December 1991	Johnson et al.	
<u>5093718</u>	March 1992	Hoarty et al.	
<u>5117354</u>	May 1992	Long et al.	
<u>5124980</u>	June 1992	Maki	
<u>5130806</u>	July 1992	Reed et al.	
<u>5142662</u>	August 1992	Gump et al.	
<u>5163007</u>	November 1992	Slilaty	
<u>5170467</u>	December 1992	Kubota et al.	
<u>5172413</u>	December 1992	Bradley et al.	380/20
<u>5173594</u>	December 1992	McClure	
<u>5175684</u>	December 1992	Chong	
<u>5185857</u>	February 1993	Rozmanith et al.	
<u>5222138</u>	June 1993	Balabon et al.	
<u>5235680</u>	August 1993	Bijnagte	
<u>5239466</u>	August 1993	Morgan et al.	
<u>5243174</u>	September 1993	Veeneman et al.	
<u>5283861</u>	February 1994	Dangler et al.	
<u>5299123</u>	March 1994	Wang et al.	
<u>5305199</u>	April 1994	LoBiondo et al.	

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FOREIGN-PAT-NO  
84112625.3  
58-159110

PUBN-DATE  
May 1985  
September 1983

COUNTRY  
EP  
JP

US-CL

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17 photographs showing the electronic greeting card service available on PRODIGY no date, no Author.

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"Creatacard", Custom Expressions, Inc., Glendale, California May 1990.

"Is ITV Here to Stay?", Cary Lu, BYTE, Feb. 1993, pp. 139-143.

ART-UNIT: 244

PRIMARY-EXAMINER: Trammell, James P.

#### ABSTRACT:

A system for viewing, ordering, and printing social expression cards includes a database preparation system, a number of card display/order systems, and a number of card printing systems. The database preparation system uses a scanner to input images from a plurality of cards, or a computer software program to create images for use in card designs. A card description database defines the layout of each card in terms of its component images and text, and their locations on the card. The database preparation system can also build a card parameter database to enable a user to select a desired category of cards. Each card display/order system accesses these databases and image files by computer network, modem, cable television, or by transfer of removable data storage media. The card display/order system allows the user to input parameters to pick the category of cards to be displayed. The user can order a selected card to be printed and input information to personalize the card. The order is electronically transmitted to a card printing- system which retrieves the data for the selected card and prints the card by means of a color printer.

28 Claims, 30 Drawing figures

**WEST**
 Generate Collection 

L12: Entry 1 of 2

File: USPT

Oct 1, 1996

US-PAT-NO: 5561604

DOCUMENT-IDENTIFIER: US 5561604 A

TITLE: Computer controlled system for vending personalized products

DATE-ISSUED: October 1, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Stephen P.	Kansas City	MO		
Vandemark; Michael L.	Shawnee	KS		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hallmark Cards, Incorporated	Kansas City	MO			02

APPL-NO: 07/ 602439 [PALM]

DATE FILED: October 22, 1990

## PARENT-CASE:

REFERENCE TO RELATED APPLICATIONS This application is a continuation-in-part of application Ser. No. 07/282,013, filed Dec. 8, 1988, now U.S. Pat. No. 5,036,472, and a continuation-in-part of application Ser. No. 07/514,670, filed Apr. 25, 1990. The disclosures of said applications are incorporated by reference.

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 364/479.05; 364/478.01, 364/468.24, 364/479.05

US-CL-CURRENT: 700/235; 347/2, 700/213, 700/233

FIELD-OF-SEARCH: 364/479, 364/478, 364/468, 364/400-412, 235/379, 235/381, 235/383, 235/385, 235/375, 395/144-148, 395/155-161

## PRIOR-ART-DISCLOSED:

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<input type="checkbox"/> <u>3454956</u>	July 1969	Icenbice, Jr. et al.	
<input type="checkbox"/> <u>3609250</u>	September 1971	Morris	
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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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91309669	October 1991	EP	
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1005827	September 1965	GB	
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2105075	March 1983	GB	
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2222341	February 1990	GB	
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"Food Chain Employs Scanning Technology In Instant Win/Prize Drawing Promotion," Incentives In Action, Premium/Incentive Business Magazine, starting at p. 22. date unknown.

ART-UNIT: 244

PRIMARY-EXAMINER: Trammell, James P.

## ABSTRACT:

A machine for delivering a product which may be automatically personalized by a customer at the time of purchase is disclosed. The product may be selected from a

plurality of different types of products which may communicate in a plurality of media such as print, braille, or audio or video tape. The machine stores base products which may be modified to communicate in a plurality of media. Product handling means effects a series of operations including transfer of a base product from storage. Electrically controllable modification means effects modification of the base product to produce a modified base product and electrically controllable delivery means effects delivery of the modified base product. An enclosure contains the storage and product handling means therewithin. The apparatus further comprises payment means operable by a customer on the outside of the enclosure to effect payment for a product and selection means operable by a customer on the outside of the enclosure to effect entry of control data which defines the customer's selection of the media form of the base product and modifications to be performed of the selected media form to define the desired final form of the personalized product to be delivered to the customer.

45 Claims, 23 Drawing figures

**WEST**
  

L13: Entry 1 of 2

File: USPT

Nov 26, 1996

US-PAT-NO: 5579447  
 DOCUMENT-IDENTIFIER: US 5579447 A

TITLE: System for developing and displaying a representation of a total estimated time to print a job

DATE-ISSUED: November 26, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salgado; David L.	Victor	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 344915 [PALM]  
 DATE FILED: November 25, 1994

INT-CL: [06] G06 K 15/00

US-CL-ISSUED: 395/109; 395/114  
 US-CL-CURRENT: 358/1.9; 358/1.15

FIELD-OF-SEARCH: 358/434, 358/401, 358/442, 358/449, 358/468, 358/296, 355/208,  
 355/209, 355/203, 395/109, 395/114

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4839829	June 1989	Freedman	364/519
<input type="checkbox"/> 5036361	July 1991	Filion et al.	355/209
<input type="checkbox"/> 5107339	April 1992	Bertoni et al.	358/296
<input type="checkbox"/> 5206735	April 1993	Gauronski et al.	358/296
<input type="checkbox"/> 5287194	February 1994	Lobiondo	358/296
<input type="checkbox"/> 5293463	March 1994	Masuda	395/101
<input type="checkbox"/> 5384633	January 1995	Boyd	355/314

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
468762A3	January 1992	EP	
WO94/11804	May 1994	WO	

ART-UNIT: 266

PRIMARY-EXAMINER: Rogers; Scott A.

ABSTRACT:

There is provided an apparatus for developing and displaying a representation of a total estimated time to print a job. The apparatus includes a user interface, with a display screen, for selectively programming the job with plural print related attributes, wherein selected ones of the print related attributes affecting a time required to print the job. The apparatus further includes a memory for storing the image data and the print related attributes as well as a processor for generating an estimated time to print value for each of the plural electronic pages based on the selected attributes programmed during said programming which affect the time required to print the job, the estimated time to print generating being performed prior to printing the job. In operation, the processor sums the values generated with the estimated time to print generating for obtaining a total estimated time to print, wherein the representation of the total estimated time to print is displayed on the display screen.

24 Claims, 10 Drawing figures

**WEST**
 Generate Collection 

L14: Entry 1 of 2

File: USPT

Jan 20, 1998

US-PAT-NO: 5709374  
 DOCUMENT-IDENTIFIER: US 5709374 A

TITLE: System for automatic print jobs separations in container with vertically projecting folders

DATE-ISSUED: January 20, 1998

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Thomas N.	Rochester	NY		
Panos; Robert A.	Penfield	NY		
Bains; Sudarshan S.	Pittsford	NY		

**ASSIGNEE-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 08/ 732760 [PALM]  
 DATE FILED: October 18, 1996

INT-CL: [06] B41 F 13/54, B65 H 39/02

US-CL-ISSUED: 270/1.02; 270/45, 270/52.03, 270/58.32  
 US-CL-CURRENT: 270/1.02; 270/45, 270/52.03, 270/58.32

FIELD-OF-SEARCH: 270/1.01, 270/1.02, 270/45, 270/52.03, 270/58.07, 270/58.14,  
 270/58.31, 270/58.32

**PRIOR-ART-DISCLOSED:**

**U.S. PATENT DOCUMENTS**

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5031891	July 1991	Kobler et al.	270/52.03
<input type="checkbox"/> 5085417	February 1992	Copham	270/1.02
<input type="checkbox"/> 5207412	May 1993	Coons, Jr. et al.	270/1.1
<input type="checkbox"/> 5316279	May 1994	Corona et al.	270/1.1
<input type="checkbox"/> 5377965	January 1995	Mandel et al.	270/1.1
<input type="checkbox"/> 5519624	May 1996	Hidding	270/52.03 X
<input type="checkbox"/> 5547178	August 1996	Costello	270/52.02

**FOREIGN PATENT DOCUMENTS**

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0547788	January 1993	EP	

ART-UNIT: 341

PRIMARY-EXAMINER: Nguyen, Hoang

**ABSTRACT:**

In reproduction systems in which a printer outputs a plurality of different plural sheet print jobs, a system is provided for automatically separating respective print jobs into separate specially formed folders for respective print jobs and stacking a number of them into one or more specially shaped print jobs stacking containers, with the closed folders formed to extend above and provide clear distinctions and separations of their respective print jobs in the container so that a selected print job can be readily removed as a unit from the container. The folders may be on-line separately printed in tab areas and folded. The folding can be uneven or skewed or otherwise formed to be held above their contained print jobs even if the folder was from the same size paper stock.

5 Claims, 14 Drawing figures

**WEST**
 Generate Collection 

L16: Entry 1 of 2

File: USPT

May 26, 1998

US-PAT-NO: 5758327

DOCUMENT-IDENTIFIER: US 5758327 A

TITLE: Electronic requisition and authorization process

DATE-ISSUED: May 26, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gardner; Ben D.	San Jose	CA	95128	
Folds; Wilbert S.	San Mateo	CA		
Roberto; Nora L.	Livermore	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Gardner; Ben D.	San Jose	CA			04
Roberto; Nora	Pleasanton	CA			04

APPL-NO: 08/ 551434 [PALM]

DATE FILED: November 1, 1995

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/26

US-CL-CURRENT: 705/26

FIELD-OF-SEARCH: 395/226, 395/227, 395/50, 395/207, 395/210, 395/211, 395/235, 705/26, 705/27, 705/7, 705/10, 705/11, 705/35, 340/825.3, 340/825.34, 340/825.35, 235/375, 235/380, 235/381, 235/383

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4799156</u>	January 1989	Shavit et al.	705/37
<u>4947028</u>	August 1990	Gorog	705/40
<u>5021953</u>	June 1991	Webber et al.	705/5
<u>5319542</u>	June 1994	King, Jr. et al.	705/26
<u>5666493</u>	September 1997	Wojcik et al.	705/26

## OTHER PUBLICATIONS

Phillip Zimmermann, Pretty Good Privacy Public Key Encryption for the Masses, Phil's Pretty Good Software, Oct. 11, 1994.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Oh; Junghoon Kenneth

**ABSTRACT:**

A method of electronic requisition processing includes storing company-specific requisition rules and an electronic catalog on a central computer system located at a first site. The central computer system is linked to a number of companies by means of an external communications line, such as a telephone system-and-modem arrangement. A requester at one of the companies may identify one or more items to be ordered. In response to the requisition, the company with which the requestor is associated is determined, and the appropriate requisition rules for that company are implemented. If more than one item is identified, a requisition folder is formed in software to contain a number of requisitions. Also contained in the requisition folder are any required attachments, with each attachment being designated as being "internal" or "external" and as "confidential" or "non-confidential." The authorization process dictated by the requisition rules of the company are followed, with at least a portion of the process being executed electronically via the external communications line. If the purchase of items is authorized, an appropriate number of purchase orders are generated and are preferably transmitted to vendors electronically. The method isolates the companies from the vendors. In one embodiment, the payment process is also carried out in a manner that isolates the companies and the vendors. Vendors invoice the operators of the central computer system, who then invoice the companies.

14 Claims, 4 Drawing figures

**WEST**
 Generate Collection 

L17: Entry 1 of 2

File: USPT

Jul 7, 1998

US-PAT-NO: 5778367

DOCUMENT-IDENTIFIER: US 5778367 A

TITLE: Automated on-line information service and directory, particularly for the world wide web

DATE-ISSUED: July 7, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wesinger, Jr.; Ralph E.	San Jose	CA		
Coley; Christopher D.	Morgan Hill	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Network Engineering Software, Inc.	San Jose	CA			02	

APPL-NO: 08/ 572543 [PALM]

DATE FILED: December 14, 1995

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/10, 395/200.48, 395/200.47, 395/200.34, 395/200.33

US-CL-CURRENT: 707/10, 709/203, 709/204, 709/217, 709/218

FIELD-OF-SEARCH: 395/610, 395/187.01, 395/182.02, 395/793, 395/200.48, 395/200.47, 395/200.33, 395/200.34, 707/10

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5448724	September 1995	Hayashi	395/182.02
<input type="checkbox"/> 5530852	June 1996	Meske, Jr. et al.	707/10
<input type="checkbox"/> 5553239	September 1996	Heath et al.	395/187.01
<input type="checkbox"/> 5572643	November 1996	Judson	395/793
<input type="checkbox"/> 5608903	March 1997	Prasad et al.	395/610
<input type="checkbox"/> 5623601	April 1997	Vu	395/187.01
<input type="checkbox"/> 5623652	April 1997	Vora et al.	707/10
<input type="checkbox"/> 5625781	April 1997	Cline et al.	395/33
<input type="checkbox"/> 5630125	May 1997	Zellweger	707/103
<input type="checkbox"/> 5678041	October 1997	Baker et al.	707/9

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO  
WO 95/12176  
WO 95/17733

PUBN-DATE  
May 1995  
June 1995

COUNTRY  
WO  
WO

US-CL

OTHER PUBLICATIONS

Cinkosky et al, A new design for the genome sequence database, IEEE, pp. 725-729, Nov. 1995.

James, Media and Hypermedia, IEEE, pp. 1-2, Jun. 1990.

Born, A knowledge based Hypertext system for document generation and checking, IEEE, pp. 1-4, Nov. 1990.

Rosenking et al, A generic system for directory pagination, IEEE, pp. 166-169, Sep. 1991.

Story et al, The right pages image-based electronic library for alerting and browsing, IEEE, pp. 17-26, Sep. 1992.

Barclay et al, Vitual Blood, Real Sweat, no tears: lessons learned from making a publication about electronic publications, IEEE, pp. 106-109, Sep. 1995.

Laura Lemay, Web Publishing with HTML, text book, pp. 272-289, 1995.

Web site pages from wyp.net (World Yellow Pages NETwork.TM..).

ART-UNIT: 271

PRIMARY-EXAMINER: Lintz; Paul R.

ASSISTANT-EXAMINER: Coby; Frantz

ABSTRACT:

A computer network and a database are used to provide a hardware-independent, dynamic information system in which the information content is entirely user-controlled. Requests are received from individual users of the computer network to electronically publish information, and input is accepted from the individual users. Entries from the users containing the information to be electronically published are automatically collected, classified and stored in the database in searchable and retrievable form. Entries are made freely accessible on the computer network. In response to user requests, the database is searched and entries are retrieved. Entries are served to users in a hardware-independent page description language. The entries are password protected, allowing users to retrieve and update entries by supplying a correct password. Preferably, the process is entirely automated with any necessary billing being performed by secure, on-line credit card processing. The user making a database entry has complete control of that entry both at the time the entry is made and in the future after the entry has been made. The entry, when served to a client, is transformed on-the-fly to the page description language. Where the page description language is HTML and the computer network is the World Wide Web, the entry may function as a "mini" homepage for the user that made the entry. Provision is made for graphics and other kinds of content besides text, taking advantage of the content-rich nature of the Web.

25 Claims, 25 Drawing figures

**WEST**  

L18: Entry 1 of 2

File: USPT

Aug 11, 1998

US-PAT-NO: 5793964  
DOCUMENT-IDENTIFIER: US 5793964 A

TITLE: Web browser system

DATE-ISSUED: August 11, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rogers; Richard Michael	Beacon	NY		
Lagarde; Konrad Charles	Milford	CT		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02	

APPL-NO: 08/ 479481 [PALM]  
DATE FILED: June 7, 1995

INT-CL: [06] G06 F 15/00

US-CL-ISSUED: 395/200.32; 395/200.79  
US-CL-CURRENT: 709/202; 709/249

FIELD-OF-SEARCH: 395/600, 395/200.1-200.21, 395/200.32, 395/200.79

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

PAT-NUM	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4274139</u>	June 1981	Hodgkinson et al.	
<u>4468728</u>	August 1984	Wang	
<u>4604710</u>	August 1986	Amezcua et al.	
<u>4714989</u>	December 1987	Billings	
<u>4714995</u>	December 1987	Materna et al.	
<u>4774655</u>	September 1988	Kollin et al.	
<u>5093911</u>	March 1992	Parks et al.	
<u>5179652</u>	January 1993	Rozmanith et al.	
<u>5181017</u>	January 1993	Frey, Jr. et al.	
<u>5224098</u>	June 1993	Bird et al.	
<u>5241625</u>	August 1993	Epard et al.	
<u>5278978</u>	January 1994	Demers et al.	
<u>5297249</u>	March 1994	Bernstein	
<u>5307456</u>	April 1994	MacKay	
<u>5355472</u>	October 1994	Lewis	
<u>5499364</u>	March 1996	Klein et al.	395/200.03
<u>5530852</u>	June 1996	Meske, Jr. et al.	395/600
<u>5537546</u>	July 1996	Sautey	395/200.01

## OTHER PUBLICATIONS

"Firewalls and Internet Security Repelling the Wily Hacker" by Cheswick et al Chapters 3 & 4.  
 "Microsoft Press Computer Dictionary" Nov. 01, 1993 p. 209.  
 "The Harvest Information Discovery & Access System" Bowman et al 17, Sep. 1994.  
 Let your Agent Handle it by Dan, Richman, Information Week n523, p. 44 Apr. 17, 1995.  
 Harvest: A Scalable Customizable Discovery & Access System Bowman et al, Aug. 26, 1994, Technical Report CU-CS-732-94.  
 About CUSI, by Nexor, Martijn Koster 1993, Webmaster@Nexor.co.uk.  
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 Internet Resource Discovery Services, Obraczka et al, 1993 pp. 8-22.  
 Adventure With The WorldWide Web by James Powel, 1994.  
 Software Agents: Application Intelligence goes Undercover, Stewart Mckie, DBMS v8, N4, p. 56(4), Apr. 1995.  
 Browse Tools Make Searches a Breeze, Anne Knowles, PC Week v12, N19, p. 13(1), May 15, 1995.  
 Scaling New Heights in Technical Communication: Proceedings of the IPCC, Banff, Sep. 28-Oct. 1, 1994, "Building a Hypermedia Information System on the Internet" by T. Lau, pp. 192-197.  
 "Developing Applications with OpenDIS Access Service", Metaphore Data Interpretation System Release 2.0, Metaphor Inc., 1st Edition, Sep. 1994.

ART-UNIT: 271

PRIMARY-EXAMINER: Sheikh; Ayaz R.

ASSISTANT-EXAMINER: Myers; Paul R.

## ABSTRACT:

A World Wide Web browser makes requests to web servers on a network which receive and fulfill requests as an agent of the browser client, organizing distributed sub-agents as distributed integration solution (DIS) servers on an intranet network supporting the web server which also has an access agent servers accessible over the Internet. DIS servers execute selected capsule objects which perform programmable functions upon a received command from a web server control program agent for retrieving, from a database gateway coupled to a plurality of database resources

upon a single request made from a Hypertext document, requested information from multiple data bases located at different types of databases geographically dispersed, performing calculations, formatting, and other services prior to reporting to the web browser or to other locations, in a selected format, as in a display, fax, printer, and to customer installations or to TV video subscribers, with account tracking.

30 Claims, 11 Drawing figures

**WEST** Generate Collection 

L19: Entry 1 of 2

File: USPT

Dec 1, 1998

US-PAT-NO: 5845263

DOCUMENT-IDENTIFIER: US 5845263 A

TITLE: Interactive visual ordering system

DATE-ISSUED: December 1, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Camaisa; Allan J.	San Diego	CA		
Wadkins; E. Tracy	Santee	CA		
Gayda; Karen M.	Bonsall	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
High Technology Solutions, Inc.	San Diego	CA			02

APPL-NO: 08/ 491582 [PALM]

DATE FILED: June 16, 1995

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/27; 705/15

US-CL-CURRENT: 705/27; 705/15

FIELD-OF-SEARCH: 395/205, 395/215, 395/216, 395/221, 395/226, 395/227, 395/239, 364/464.01, 186/38, 186/39, 186/44, 705/5, 705/15, 705/16, 705/21, 705/26, 705/27, 705/39

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3583538</u>	June 1971	Hurley	273/85
<input type="checkbox"/> <u>4503502</u>	March 1985	Chapin	364/400
<input type="checkbox"/> <u>4530067</u>	July 1985	Dorr	364/900
<input type="checkbox"/> <u>4553222</u>	November 1985	Kurland et al.	364/900
<input type="checkbox"/> <u>4722053</u>	January 1988	Dubno et al.	364/401
<input type="checkbox"/> <u>4797818</u>	January 1989	Cotter	364/401
<input type="checkbox"/> <u>4891756</u>	January 1990	Williams, III	364/413.29
<input type="checkbox"/> <u>4992940</u>	February 1991	Dworkin	364/401
<input type="checkbox"/> <u>5003472</u>	March 1991	Perrill et al.	364/401
<input type="checkbox"/> <u>5128862</u>	July 1992	Mueller	364/405
<input type="checkbox"/> <u>5218527</u>	June 1993	Ishikawa et al.	364/405
<input type="checkbox"/> <u>5235509</u>	August 1993	Mueller et al.	364/405
<input type="checkbox"/> <u>5262938</u>	November 1993	Rapoport et al.	364/401
<input type="checkbox"/> <u>5353219</u>	October 1994	Mueller et al.	364/405
<input type="checkbox"/> <u>5589676</u>	December 1996	Iguchi	235/7R

## OTHER PUBLICATIONS

Diner's Web, [www.dinerweb.com](http://www.dinerweb.com).  
 Rocky Mountain Restaurant Guide,  
[www.mtt.com:80/thSource/rockyMountain/restServices.html](http://www.mtt.com:80/thSource/rockyMountain/restServices.html).  
 Simpson, Alan, Mastering Paradox Fourth Edition, Sybex Inc., 1989.  
 Simpson, Alan, Mastering WordPerfect 5.1 for Windows, Sybex Inc., 1992.  
 AD: The Restaurant Connection. Val-Pak, May 1995.  
 AD: MICROS 2700. Micros Systems, Inc. 12000 Baltimore Ave., Beltsville, MD.  
 Brochure: TEC Pizza System. 2160 W. 190th Street, Torrance, CA.  
 Brochure: MICROS 2400 Fast Food System. 12000 Baltimore Ave., Beltsville, MD.  
 Brochure: IVID Communications. Point of sale system supports. 7220 Trade Street,  
 Suite 201, San Diego, CA.  
 Brochure: TEC TST-300 Touch Screen Terminal. 4401-A Bankers Circle, Atlanta, GA  
 30360.  
 Brochure: SDCR Systems. Stuart Anderson's.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Bainbridge; Barton L.

## ABSTRACT:

A portable interactive visual ordering system and method utilizing full-color images. The system may be used by a restaurant to facilitate ordering menu items by a customer. The customer can request the system to display full-color images of a menu item as a help to decide what to order. The customer can also obtain a list of ingredients, method of preparation and nutritional information for a selected menu item. When the customer decides to order a particular menu item, the system captures the ordered item and tabulates a running bill. In another embodiment of the system, multiple visual ordering devices are networked together at the restaurant. An option in the networked system is to allow the customer to pay the bill by a credit card or debit means at his/her table. The system enables businesses to reduce labor costs in running the business and provides the customer with more information at the point of sale to make a more informed decision.

15 Claims, 15 Drawing figures

**WEST**  

L20: Entry 1 of 2

File: USPT

Jul 27, 1999

US-PAT-NO: 5930810

DOCUMENT-IDENTIFIER: US 5930810 A

TITLE: Printing system with pre-defined user modifiable forms and local and remote printing

DATE-ISSUED: July 27, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Farros; Royal P.	Menlo Park	CA		
Schuyler; James A.	San Francisco	CA		
Babcock; Gaylon W.	El Granada	CA		
Finn; Michael J.	White Bear Lake	MN		
Sax; Michael N.	Shroeview	MN		
Johnson; Alan D.	New Brighton	MN		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Taylor Corporation	North Mankato	MN			02

APPL-NO: 08/ 512983 [PALM]

DATE FILED: August 9, 1995

INT-CL: [06] G06 F 17/00

US-CL-ISSUED: 707/506; 707/508, 707/517, 707/527, 364/479.05, 235/381

US-CL-CURRENT: 715/506; 235/381, 700/235

FIELD-OF-SEARCH: 395/766, 395/961, 395/962, 395/226, 395/227, 395/326, 395/339, 395/352, 395/353, 395/354, 395/788, 395/789, 364/479.01, 364/479.02, 364/479.03, 364/479.04, 364/479.05, 358/527, 345/326, 345/339, 345/352, 345/353, 345/354, 707/517, 707/506, 707/527, 235/381

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4508156</u>	April 1985	Banks et al.	164/35
<input type="checkbox"/> <u>4839829</u>	June 1989	Freedman	395/329
<input type="checkbox"/> <u>5029099</u>	July 1991	Goodman	364/479.05
<input type="checkbox"/> <u>5036472</u>	July 1991	Buckley et al.	364/479.03
<input type="checkbox"/> <u>5038293</u>	August 1991	Goodman	364/479.03
<input type="checkbox"/> <u>5056029</u>	October 1991	Cannon	364/479.03
<input type="checkbox"/> <u>5132915</u>	July 1992	Goodman	364/479.03
<input type="checkbox"/> <u>5235519</u>	August 1993	Miura	364/479.03
<input type="checkbox"/> <u>5241464</u>	August 1993	Greulich et al.	705/26
<input type="checkbox"/> <u>5272549</u>	December 1993	McDonald	358/527
<input type="checkbox"/> <u>5327265</u>	July 1994	McDonald	358/527
<input type="checkbox"/> <u>5349534</u>	September 1994	Rousseff et al.	364/479.05
<input type="checkbox"/> <u>5487010</u>	January 1996	Drake et al.	364/479.03
<input type="checkbox"/> <u>5513116</u>	April 1996	Buckley et al.	364/479.03
<input type="checkbox"/> <u>5513117</u>	April 1996	Small	364/479.03
<input type="checkbox"/> <u>5550746</u>	August 1996	Jacobs	364/479.01
<input type="checkbox"/> <u>5552994</u>	September 1996	Cannon et al.	364/479.03
<input type="checkbox"/> <u>5555496</u>	September 1996	Tackbary et al.	395/227
<input type="checkbox"/> <u>5559714</u>	September 1996	Banks et al.	364/479.03
<input type="checkbox"/> <u>5561604</u>	October 1996	Buckley et al.	364/479.05

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"Microsoft PowerPoint: Using Microsoft PowerPoint and Genographics.COPYRGHT. Presentation Services", Microsoft Corporation 1990-1992.  
 Microsoft PowerPoint Handbook, by Microsoft Corporation, 1992. (Cover pages, Table of Contents, Chs. 1,2,4,5,13).

ART-UNIT: 276

PRIMARY-EXAMINER: Feild; Joseph H.

## ABSTRACT:

A printing system operates on a computer system to enable creation of a variety of printed products. The printing system takes either a kiosk form or a personal system form. The printing system contains a variety of definitions of products in its storage which may be selected and modified by a user. The user may alter a plurality of aspects of the selected product including the layout of the product, the graphics of the product and different aspects of the textual information to be printed on the product to personalize the product. Upon completion of personalization of the product, the printing system provides the user with a plurality of order and transmission options which allow certain products to be printed locally, and which allows certain products to be printed by a remotely located printing facility. The user may create a print order which is transmitted in one of two manners to the remote printing facility. Payment information including credit card information may also be entered for payment of products printed by the remote printing facility.

2 Claims, 15 Drawing figures

**WEST**  

L21: Entry 1 of 3

File: USPT

Aug 10, 1999

US-PAT-NO: 5937393

DOCUMENT-IDENTIFIER: US 5937393 A

TITLE: Order processing method in a distributed processing system with local validation and dynamic control of the order request through a configuration matrix

DATE-ISSUED: August 10, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Leary; Aidan	Dublin			IE
Maguire; Eoin	Dublin			IE

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Portspring Limited	Dublin			IE	03

APPL-NO: 08/ 779951 [PALM]

DATE FILED: December 23, 1996

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
IE	950977	December 21, 1995
IE	S960040	January 18, 1996

INT-CL: [06] G06 F 5/163, G06 F 17/60, G06 F 153/00

US-CL-ISSUED: 705/21; 705/16, 705/26, 235/380

US-CL-CURRENT: 705/21; 235/380, 705/16, 705/26

FIELD-OF-SEARCH: 705/21, 705/16, 705/26, 705/27, 235/380, 235/383, 395/200.68

## PRIOR-ART-DISCLOSED:

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/> <u>4386266</u>	May 1983	Chesarek	235/380 X
<input type="checkbox"/> <u>4594663</u>	June 1986	Nagata et al.	235/380 X
<input type="checkbox"/> <u>4755940</u>	July 1988	Brachtl et al.	235/382 X
<input type="checkbox"/> <u>4859838</u>	August 1989	Okiharu	705/22
<input type="checkbox"/> <u>4891503</u>	January 1990	Jewell	705/44
<input type="checkbox"/> <u>4947028</u>	August 1990	Gorog	235/380
<input type="checkbox"/> <u>5231570</u>	July 1993	Lee	235/380 X
<input type="checkbox"/> <u>5255182</u>	October 1993	Adams	705/21 X
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<input type="checkbox"/> <u>5329589</u>	July 1994	Fraser et al.	705/44 X
<input type="checkbox"/> <u>5334824</u>	August 1994	Martinez	235/380 X
<input type="checkbox"/> <u>5490251</u>	February 1996	Clark et al.	395/200.67
<input type="checkbox"/> <u>5570291</u>	October 1996	Dudle, Jr. et al.	705/10 X
<input type="checkbox"/> <u>5598462</u>	January 1997	Truemmer et al.	379/216 X
<input type="checkbox"/> <u>5666493</u>	September 1997	Wojcik et al.	705/26
<input type="checkbox"/> <u>5678010</u>	October 1997	Pittenger et al.	395/200.68 X
<input type="checkbox"/> <u>5694551</u>	December 1997	Doyle et al.	705/26
<input type="checkbox"/> <u>5758327</u>	May 1998	Gardner et al.	705/26
<input type="checkbox"/> <u>5793028</u>	August 1998	Wagener et al.	235/380
<input type="checkbox"/> <u>5808894</u>	September 1998	Wiens et al.	705/26
<input type="checkbox"/> <u>5852809</u>	December 1998	Abel et al.	705/26

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0425405	May 1991	EP	
0585932	March 1994	EP	
WO94/28497	December 1994	WO	

ART-UNIT: 275

PRIMARY-EXAMINER: MacDonald; Allen R.

ASSISTANT-EXAMINER: Crecca; Michele Stuckey

## ABSTRACT:

An order processing method for implementation in a distributed computer system is described. An order create request is received from a user at a local station, validated locally and routed to a remote station for authorization. Connection between local and remote stations may be of any type. Progress of an order is tracked by a configuration matrix, and communication is tracked and controlled by a router slip appended to an order message and which is in turn governed by the matrix. The matrix allows selection of a current control register which governs applicability of validation routines to data entities of the request or order. Paper handling is reduced or eliminated and sufficient control for decentralised purchasing is achieved.

12 Claims, 5 Drawing figures

## WEST

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L22: Entry 1 of 2

File: USPT

Sep 28, 1999

US-PAT-NO: 5960200

DOCUMENT-IDENTIFIER: US 5960200 A

TITLE: System to transition an enterprise to a distributed infrastructure

DATE-ISSUED: September 28, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eager; Timothy	Fullerton	CA		
Anand; Madhav	Cambridge	MA		
Aslanian; Edouard	Hermosa Beach	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
i-CUBE	Cambridge	MA			02

APPL-NO: 08/ 714205 [PALM]

DATE FILED: September 16, 1996

## PARENT-CASE:

RELATED APPLICATIONS This application claims priority to U.S. Provisional Application No. 60/016,330 filed on May 3, 1996, the teachings of which are incorporated herein by reference in their entirety.

INT-CL: [06] G06 F 9/45

US-CL-ISSUED: 395/705, 395/701, 395/707, 395/500, 395/200.31, 705/7

US-CL-CURRENT: 717/147, 703/13, 703/20, 705/7, 709/201, 717/103, 717/104, 717/108

FIELD-OF-SEARCH: 395/705, 395/701, 395/702, 395/707, 395/708, 395/500, 395/200.31, 395/200.33, 395/682, 395/683, 705/7-11, 707/10, 707/100, 707/102-104, 364/578, 364/468.02, 364/468.03, 364/468.05, 364/468.09

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/> 5228137	July 1993	Kleinerman et al.	395/500
<input type="checkbox"/> 5455948	October 1995	Poole et al.	707/102
<input type="checkbox"/> 5457797	October 1995	Butterworth et al.	395/682
<input type="checkbox"/> 5524253	June 1996	Pham et al.	395/200.32
<input type="checkbox"/> 5606697	February 1997	Ono	395/707

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"DASE Base Technology for Data and Acquisitions Software Evolution and HIREL/AProp IMS/DB-DB2 dual way Access Propagation for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).  
"DASE Base Technology for Data and Applications Software Evolution and IXREL IBM hIerarchisch to uniX RELational for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).  
"DASE Base Technology for Data and Applications Software Evolution and CMP COBOL Migration Products for an automated Migration from COBOL ANSI'68/74 to COBOL ANSI'85 and REPORT WRITER to Native COBOL," SWS Software Services, pp. 1-4, (1994).  
"DASE Base Technology for Data and Acquisitions Software Evolution and VREL Vsam to RELational for an automated Migration to an open, relational and Client/Server positioned Environment," SWS Software Services, pp. 1-4, (1994).

ART-UNIT: 272

PRIMARY-EXAMINER: Hafiz; Tariq R.

ASSISTANT-EXAMINER: Dam; Tuan Q.

#### ABSTRACT:

An automated system transitions an entire enterprise to a distributed infrastructure. The system includes a process for organizing and managing the transition, a multi-tiered client/server architecture that adheres to open systems standards, a system to automate the transition of existing applications to this architecture, and a system to enable the creation or modification of applications based on this architecture.

54 Claims, 36 Drawing figures

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L23: Entry 1 of 2

File: USPT

Nov 16, 1999

US-PAT-NO: 5987423

DOCUMENT-IDENTIFIER: US 5987423 A

TITLE: Object oriented technology framework for order processing

DATE-ISSUED: November 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arnold; Vincent Davis	Dodge Center	MN		
Berg; Alf Christian	Tarnasen			NO
Bohrer; Kathryn Ann	Austin	TX		
Brane; Thomas Karl Athos	Stockholm			SE
Dahl; Tore Magnus	Hasselby			SE
Michaelson; Tor	Oslo			NO
Nilsson; Anders Magnus	Hagan			NO
Odegaard; Helge	Frogner			NO
Pernbeck; Torbjorn Harald Osten	Stockholm			SE

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY				02

APPL-NO: 08/ 828934 [PALM]

DATE FILED: March 28, 1997

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 705/14; 705/8, 707/3, 707/103, 707/203, 395/682, 395/683

US-CL-CURRENT: 705/14; 705/8, 707/203, 707/3, 709/315, 709/328

FIELD-OF-SEARCH: 705/14, 705/39, 705/8, 705/35, 705/30, 705/36, 707/103, 707/1,  
707/3, 707/100, 707/203, 395/683, 395/682, 395/500, 395/673, 395/701-703, 395/705,  
395/710, 395/677, 395/685, 395/200.33, 345/326, 345/335, 345/334, 345/340, 345/348,  
345/356

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NUM	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/> <u>4989141</u>	January 1991	Lyons et al.	705/36
<input type="checkbox"/> <u>5057996</u>	October 1991	Cutler et al.	395/676
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<input type="checkbox"/> <u>5119475</u>	June 1992	Smith et al.	345/353
<input type="checkbox"/> <u>5181162</u>	January 1993	Smith et al.	707/530
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<input type="checkbox"/> <u>5615109</u>	March 1997	Eder	395/208
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ART-UNIT: 274

PRIMARY-EXAMINER: Trammell, James P.

ASSISTANT-EXAMINER: Nguyen, Cuong H.

ABSTRACT:

An object oriented programming (OOP) framework includes an Order Management (OM) mechanism that tracks sales orders received and matches them to warehouse inventory, a Sales Order (SA) mechanism that processes sales orders, and a Purchase Order (PU) mechanism that processes purchase orders. The OM mechanism comprises a category of OOP classes that provide the primary interface between the framework classes and underlying business objects that provide accounting functions and warehouse management interfaces, and the SA and PU mechanisms comprise respective categories of OOP classes that keep track of sales orders received and purchase orders issued.

**WEST**
 Generate Collection 

L24: Entry 1 of 2

File: USPT

Jun 13, 2000

US-PAT-NO: 6076091

DOCUMENT-IDENTIFIER: US 6076091 A

TITLE: Method and system for providing a flexible and extensible database  
interactive on-line electronic catalog

DATE-ISSUED: June 13, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fohn; Steffen Michael	Raleigh	NC		
Greef; Arthur Reginald	Seattle	WA		
Schumacher; John Frederick	White Plains	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02	

APPL-NO: 08/ 987214 [PALM]

DATE FILED: December 9, 1997

## PARENT-CASE:

This application was filed as U.S. Provisional application No. 60/032,543 on Dec. 10, 1996.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/102, 707/3, 707/103, 707/104

US-CL-CURRENT: 707/102, 707/104.1, 707/3

FIELD-OF-SEARCH: 707/1, 707/2, 707/3, 707/4, 707/5, 707/9, 707/10, 707/100, 707/101, 707/102, 707/103, 707/104, 707/501, 707/513, 707/530, 707/531, 705/26, 705/28, 705/39, 348/7, 348/12

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4992940	February 1991	Dworkin	705/26
<input type="checkbox"/> 5367619	November 1994	Dipaolo et al.	707/506
<input type="checkbox"/> 5603025	February 1997	Tabb et al.	707/2
<input type="checkbox"/> 5727950	March 1998	Cook et al.	434/350
<input type="checkbox"/> 5740425	April 1998	Povilus	395/611
<input type="checkbox"/> 5819092	October 1998	Ferguson et al.	395/701
<input type="checkbox"/> 5832496	November 1998	Anand et al.	707/102

ART-UNIT: 277

PRIMARY-EXAMINER: Amsbury; Wayne

ASSISTANT-EXAMINER: Channavajjala; Srirama

## ABSTRACT:

An on-line interactive catalog system having a plurality of catalog agent metaphors (CAM's), each comprising a set of components, portions of a knowledge representation and a design for the creation of components, facilitating the creation of different forms of interactions with an electronic catalog knowledge representation. The CAM's further provide a methodology in which rich knowledge representations about cataloged information can be created iteratively. The creation of the knowledge representation or information model for the electronic catalog is driven by a particular set of desired interactions, thereby providing a unique approach to the creation and dynamic maintenance of electronic catalogs, information models and user interfaces. The CAM system also provides a method for providing flexible catalogs, allowing for simple interaction metaphors having simple information and modeling requirements to be created and become operational without overwhelming design demands, while still providing for dynamic flexible growth and extensibility of the product knowledge representation and interaction approaches.

26 Claims, 13 Drawing figures

**WEST** Generate Collection Print

L25: Entry 1 of 2

File: USPT

Oct 17, 2000

US-PAT-NO: 6133985

DOCUMENT-IDENTIFIER: US 6133985 A

TITLE: Method of processing digital images and distributing visual prints produced from the digital images

DATE-ISSUED: October 17, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garfinkle; Philip N.	Herndon	VA		
Yaacov; Yaacov Ben	Jerusalem			IL
Jaffe; Elliot D.	Hashmonaem			IL

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
PictureVision, Inc.	Sterling	VA			02

APPL-NO: 09/ 310301 [PALM]

DATE FILED: May 12, 1999

## PARENT-CASE:

This application is a continuation of U.S. patent application Ser. No. 08/773,756, entitled A Method Of Processing Digital Images And Distributing Visual Prints Produced From The Digital Images, filed Dec. 24, 1996, now U.S. Pat. No. 6,017,157, the disclosure of which is hereby incorporated by reference in its entirety.

INT-CL: [07] G03 B 27/52, G03 B 27/54, G03 D 13/04

US-CL-ISSUED: 355/40; 355/70, 396/639, 396/429

US-CL-CURRENT: 355/40; 355/70, 396/429, 396/639

FIELD-OF-SEARCH: 355/40, 355/18, 355/19, 355/27, 355/77, 396/374, 396/429, 396/639

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4417811</u>	November 1983	Hamer	355/77
<input type="checkbox"/> <u>4432637</u>	February 1984	Baschung	355/35
<input type="checkbox"/> <u>4862200</u>	August 1989	Hicks	354/75
<input type="checkbox"/> <u>4862222</u>	August 1989	Staude et al.	355/40
<input type="checkbox"/> <u>4918484</u>	April 1990	Ujiie et al.	355/41
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<input type="checkbox"/> <u>4974096</u>	November 1990	Wash	358/302
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<input type="checkbox"/> <u>5072254</u>	December 1991	Hicks et al.	355/50
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<input type="checkbox"/> <u>5319401</u>	June 1994	Hicks	354/76
<input type="checkbox"/> <u>5321465</u>	June 1994	Hicks	355/77
<input type="checkbox"/> <u>5512396</u>	April 1996	Hicks	430/21
<input type="checkbox"/> <u>6017157</u>	January 2000	Garfinkle et al.	396/639

ART-UNIT: 281

PRIMARY-EXAMINER: Matthews; Alan A.

ASSISTANT-EXAMINER: Mahoney; C.

ABSTRACT:

This invention is directed to a method of processing at least one digital image of at least one photographic image and distributing at least one visual print produced from the at least one digital image. The method includes the steps of storing at least one digital image of at least one photographic image on at least one image server at a first location. Selective authorized access to the at least one digital image of the at least one photographic image from a second location is then facilitated. Orders are received for at least one visual print of the at least one photographic image from the second location. Based upon the orders at least one visual image is produced from the stored digital image at the first location in response to the at least one order.

29 Claims, 20 Drawing figures

**WEST**
  

L26: Entry 1 of 2

File: USPT

May 1, 2001

US-PAT-NO: 6224048

DOCUMENT-IDENTIFIER: US 6224048 B1

TITLE: Mixed format document finishing system responsive to a single page having an encoded document assembly specification

DATE-ISSUED: May 1, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Motamed; Margaret	Foster City	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Electronics for Imaging, Inc.	Foster City	CA			02

APPL-NO: 09/ 008895 [PALM]

DATE FILED: January 20, 1998

INT-CL: [07] B41 F 13/54

US-CL-ISSUED: 270/52.02, 270/52.16, 270/52.29, 270/1.02, 270/1.03

US-CL-CURRENT: 270/52.02, 270/1.02, 270/1.03, 270/52.16, 270/52.29

FIELD-OF-SEARCH: 270/52.02, 270/1.02, 270/1.03, 270/1.01, 270/52.29, 270/58.03, 270/52.16, 270/58.05, 270/52.05

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3804005</u>	April 1974	Burger et al.	270/52.02 X
<input type="checkbox"/> <u>3917252</u>	November 1975	Harder et al.	270/52.05
<input type="checkbox"/> <u>3966186</u>	June 1976	Helm	270/52.02
<input type="checkbox"/> <u>4499834</u>	February 1985	Ruetschle et al.	270/58.03
<input type="checkbox"/> <u>4602776</u>	July 1986	York et al.	271/303 X
<input type="checkbox"/> <u>4989852</u>	February 1991	Gunther, Jr. et al.	270/56
<input type="checkbox"/> <u>5013022</u>	May 1991	Graushar	270/52.02 X
<input type="checkbox"/> <u>5186443</u>	February 1993	Manley et al.	270/1.1
<input type="checkbox"/> <u>5461469</u>	October 1995	Farrell et al.	270/58.08
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<input type="checkbox"/> <u>5655759</u>	August 1997	Perkins et al.	270/52.02 X
<input type="checkbox"/> <u>5826869</u>	October 1998	Nyffenegger et al.	270/52.02 X

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2935827	March 1981	DE	
439257A2	July 1991	EP	

ART-UNIT: 361

PRIMARY-EXAMINER: Ellis, Christopher P.

ASSISTANT-EXAMINER: Mackey, Patrick

**ABSTRACT:**

A hybrid mixed format document that contains document portions prepared by different format sources, such as both black and white and colored pages, prepared by separately printing the colored pages on a color printer, and the black and white pages on a black and white printer. The two document portions are then put in separate locations within a mixed format finishing device. One of the document portions, for example the black and white document portion, includes a cover sheet that provides encoded information, which tells the finishing device how to merge the two document portions into a complete publication. One advantage of the mixed format finishing device is that those pages that contain only text may be printed on a faster, and less costly black and white printer. In a preferred embodiment, the cover sheet controls the document merging process in such a manner that if one document is misprinted or mismerged, the mismerged document may be shuttled aside and merging may continue with the next complete document set.

22 Claims, 8 Drawing figures

**WEST** [Generate Collection](#) [Print](#)

L27: Entry 1 of 2

File: USPT

May 1, 2001

US-PAT-NO: 6226788

DOCUMENT-IDENTIFIER: US 6226788 B1

TITLE: Extensible network management system

DATE-ISSUED: May 1, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoening; Charles B.	Guttenberg	NJ		
Smith, Jr.; Richard J.	Danville	CA		
Schleimer; Stephen I.	San Jose	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cisco Technology, Inc.	San Jose	CA			02

APPL-NO: 09/ 121260 [PALM]

DATE FILED: July 22, 1998

INT-CL: [07] G06 F 9/45

US-CL-ISSUED: 717/6; 717/6, 717/11, 709/203

US-CL-CURRENT: 717/107; 709/203, 717/108

FIELD-OF-SEARCH: 717/6, 717/10, 717/11, 717/9, 709/203, 709/212, 709/217, 709/223, 709/229, 709/250

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5202985</u>	April 1993	Goyal	707/4
<input type="checkbox"/> <u>5355238</u>	October 1994	Kight et al.	359/135
<input type="checkbox"/> <u>5392400</u>	February 1995	Berkowitz et al.	709/203
<input type="checkbox"/> <u>5444850</u>	August 1995	Chang	709/222
<input type="checkbox"/> <u>5455950</u>	October 1995	Vasseur et al.	709/212
<input type="checkbox"/> <u>5522044</u>	May 1996	Pascucci et al.	709/222
<input type="checkbox"/> <u>5537533</u>	July 1996	Staheli et al.	714/5
<input type="checkbox"/> <u>5715373</u>	February 1998	Desgrousilliers et al.	706/47
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 Wijate et al, "A scalable agent based network measurement infrastructure", IEEE, pp 174-183, May 2000.\*  
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ART-UNIT: 212

PRIMARY-EXAMINER: Lintz; Paul R.

ASSISTANT-EXAMINER: Khatri; Anil

## ABSTRACT:

In a network management system, a method and apparatus for preparing a computer program for execution in relation to a particular network device among a plurality of network devices having a plurality of device types is provided. Each network device is associated with a device type value, and each network device has an associated device mapper. The device mappers are stored in a hierarchical structure that reflects a functional relationship or family relationship of the devices. Functions to be carried out by one or more devices are expressed as a plurality of executable program components. Preferably, each executable program component has one or more classes that define executable functions. Each device mapper associates a device type value with one or more overridden classes in the executable program components and one or more overriding classes. At runtime, device type values are acquired for each device in the managed network. For each device type, one or more functions are assembled using only the executable program components associated with that device type. Based on the device mapper of that device type, classes in the executable program components are overridden and the overriding classes are substituted. As a result, at runtime the network management system integrates into itself executable program components for new devices.

44 Claims, 36 Drawing figures

**WEST**
 Generate Collection 

L28: Entry 1 of 2

File: USPT

Nov 20, 2001

US-PAT-NO: 6320671

DOCUMENT-IDENTIFIER: US 6320671 B1

TITLE: Web browser printing enhancements

DATE-ISSUED: November 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelley; Edward E.	Wappingers Fall	NY		
Dauerer; Norman J.	Hopewell Junction	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02	

APPL-NO: 09/ 079552 [PALM]

DATE FILED: May 15, 1998

INT-CL: [07] B41 B 15/00, H04 N 1/40, H04 N 1/32

US-CL-ISSUED: 358/1.18, 358/1.17, 358/448, 358/468, 382/219, 382/221, 382/222, 707/101, 707/517, 707/523, 707/526

US-CL-CURRENT: 358/1.18; 358/1.17, 358/448, 358/468, 382/219, 382/221, 382/222, 707/101, 715/517, 715/523, 715/526

FIELD-OF-SEARCH: 358/1.18, 358/1.17, 358/468, 358/448, 358/444, 382/219, 382/221, 382/222, 707/517, 707/101, 707/523, 707/526

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4763356	August 1988	Day, Jr. et al.	
<input type="checkbox"/> 5530759	June 1996	Braudaway et al.	
<input type="checkbox"/> 5647056	July 1997	Barrett et al.	
<input type="checkbox"/> 6061700	May 2000	Brobst et al.	707/517

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[www.ccsi.canon.com/webrecord/](http://www.ccsi.canon.com/webrecord/), Apr. 1987.\*

IBM Technical Disclosure Bulletin,, "Temporary Global Passwords", Vol. 36, No. 03, Mar. 1993; pp. 451-453.

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IBM Technical Disclosure Bulletin, "Network Signon Coordination Configuration", vol. 36, No. 12, Dec. 1992; pp. 389-396.

Canon Internet Web Page, Put the Power of He Web Inprint,

www.ccsi.canon.com./webrecor Apr. 24, 1997.

ART-UNIT: 262

PRIMARY-EXAMINER: Coles, Edward

ASSISTANT-EXAMINER: Lamb, Twyler

## ABSTRACT:

A method and system for printing web pages from an intra- or internet source with a client computer. The client computer is capable of accessing and viewing a web page from an intra- or internet source and has access to a program storage. The program storage device includes (i) an HTML source file containing a list of printable web pages and (ii) a program of instructions executable by the computer at a predetermined, modifiable time to print web pages from the intra- or internet source with the client computer. The program selects one or more of the printable web pages from the HTML source file, accesses the web pages selected from the HTML source file, and prints the accessed web pages. The printable web pages may be accessed on different levels of hierarchy in HTML files. The storage device also contains a plurality of different lists of printable web pages and a menu of each of the lists, whereby the method includes selecting from the menu a desired list and providing an HTML source file containing the desired list of printable web pages.

22 Claims, 5 Drawing figures

**WEST** Generate Collection 

L29: Entry 1 of 2

File: USPT

Dec 18, 2001

US-PAT-NO: **6332146**

DOCUMENT-IDENTIFIER: US 6332146 B1

TITLE: Method and apparatus for storing and printing digital images

DATE-ISSUED: December 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jebens; John H.	Tierra Verde	FL		
James; Jeffrey Scott	Bettendorf	IA		
Carlson; Lowell D.	Moline	IL		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY	TYPE	CODE
Marshall, O'Toole, Gerstein, Murray & Borun	Chicago	IL				02	

APPL-NO: 09/ 619188 [PALM]

DATE FILED: July 19, 2000

## PARENT-CASE:

This is a Continuation of U.S. application Ser. No. 08/908,046, filed Aug. 11, 1997.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/104; 707/3, 707/10, 707/102, 705/26, 705/27, 345/428

US-CL-CURRENT: 707/104.1; 345/428, 705/26, 705/27, 707/10, 707/102, 707/3

FIELD-OF-SEARCH: 707/3, 707/10, 707/102, 707/104, 707/530, 705/27, 705/33, 705/42, 705/26, 345/132, 345/302, 345/418, 345/428, 382/284, 382/276, 382/249, 386/124, 355/40, 355/70, 396/639

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4495582</u>	January 1985	Dessert et al.	700/124
<u>4688181</u>	August 1987	Cottrell et al.	345/428
<u>4799156</u>	January 1989	Shavit et al.	705/26
<u>4933880</u>	June 1990	Borgendale et al.	707/515
<u>4956769</u>	September 1990	Smith	707/9
<u>4992940</u>	February 1991	Dworkin	705/26
<u>5065447</u>	November 1991	Barnsley et al.	382/249
<u>5144556</u>	September 1992	Wang et al.	707/9
<u>5153936</u>	October 1992	Morris et al.	345/428
<u>5263157</u>	November 1993	Janis	707/9
<u>5276901</u>	January 1994	Howell et al.	707/9
<u>5315693</u>	May 1994	Hirosawa	345/428
<u>5319401</u>	June 1994	Hicks	354/76
<u>5319543</u>	June 1994	Wihselm	705/3
<u>5414811</u>	May 1995	Parluski et al.	345/501
<u>5426594</u>	June 1995	Wright et al.	709/206
<u>5440401</u>	August 1995	Parulski et al.	386/124
<u>5463555</u>	October 1995	Ward et al.	700/96
<u>5469353</u>	November 1995	Pinsky et al.	382/131
<u>5493677</u>	February 1996	Balogh et al.	707/104
<u>5539906</u>	July 1996	Abraham et al.	707/9
<u>5553281</u>	September 1996	Brown et al.	707/104
<u>5581749</u>	December 1996	Hossain et al.	707/10
<u>5584022</u>	December 1996	Kikuchi et al.	707/9
<u>5606365</u>	February 1997	Maurinus et al.	348/222
<u>5625776</u>	April 1997	Johnson	705/27
<u>5630125</u>	May 1997	Zellweger	707/103
<u>5666215</u>	September 1997	Fredlund et al.	358/487
<u>5696901</u>	December 1997	Konrad	709/203
<u>5784461</u>	July 1998	Shaffer et al.	705/51
<u>5845263</u>	November 1999	Camaisa et al.	705/27
<u>5852435</u>	December 1998	Vigneaux et al.	345/302
<u>5875268</u>	February 1999	Miyake	382/276
<u>5978804</u>	November 1999	Dietzman	707/10
<u>6017157</u>	January 2000	Garfinkle et al.	396/639
<u>6154755</u>	November 2000	Dellert et al.	707/526

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Brochure: Job Manager, Information Management System for the Graphic Arts Industry by Meta Communications.

Brochure: Telescope, Client Server Media Management Database by North Plains Systems, Inc.

Brochure: Luminous Media Manager by Luminous Technology Systems, Inc.

Brochure: Luminous Media Manager Background by Luminous Technology Systems, Inc.

Brochure: Destiny, Focusing the Power of Your Digital Information by Centillion Digital Systems.

Brochure: DAX, File Transfer by Digital Art Exchange, Inc.

Brochure: DAX Database Access by Digital Art Exchange, Inc.

Brochure: DAX, Remote Proofing by Digital Art Exchange, Inc.

Brochure: DAX, Computer-to-Plate by Digital Art Exchange, Inc.

Brochure: DAX, Interactive Mark-up by Digital Art Exchange, Inc.

Brochure: Digital Art Exchange, The Connectivity Solution by Digital Art Exchange,

Inc.  
Brochure: Cascade MediaSphere W3 by Cascade Systems, Inc.  
Brochure: Cascade DataFlow by Cascade Systems, Inc.  
Brochure: Cascade Product Overview by Cascade Systems, Inc.  
Brochure: Cumulus Media Management System 3., by Canto.  
Brochure: Hynet Digital Library System, Version 1.5 by Hynet Technologies.  
Brochure: Galerie, Media Asset Management by Dalim.  
Brochure: Dalim, Twist by Dalim.  
Brochure: Cascade MediaSphere by Cascade Systems, Inc.  
Brochure: Luminous PrintersWeb by Luminous Technology Corporation.

ART-UNIT: 212

PRIMARY-EXAMINER: Alam; Hosain T.

ASSISTANT-EXAMINER: Colbert; Ella

**ABSTRACT:**

A digital data management and order delivery system is provided. The system includes a storage device for storing digital data and a searching engine for developing a subset of the digital data stored in the storage device in response to inputs received from a first user. The system is also provided with a job order developer responsive to inputs received from the first user for developing a job order which includes: a) at least one copy of the digital data contained in the subset and identified by the first user; and b) a file containing information developed by the first user outside the system. In addition, the system includes a router for electronically routing the job order compiled by the job order developer to a second user specified by the first user.

25 Claims, 27 Drawing figures

## WEST

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L30: Entry 1 of 2

File: USPT

Feb 5, 2002

US-PAT-NO: 6345288

DOCUMENT-IDENTIFIER: US 6345288 B1

TITLE: Computer-based communication system and method using metadata defining a control-structure

DATE-ISSUED: February 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reed; Drummond Shattuck	Seattle	WA		
Heymann; Peter Earnshaw	Seattle	WA		
Mushero; Steven Mark	Seattle	WA		
Jones; Kevin Benard	Seattle	WA		
Oberlander; Jeffrey Todd	Seattle	WA		
Banay; Dan	Seattle	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
OneName Corporation	Seattle	WA			02

APPL-NO: 09/ 570675 [PALM]

DATE FILED: May 15, 2000

## PARENT-CASE:

This application is a continuation-in-part of application Ser. No. 08/609,115, filed Feb. 29, 1996, now U.S. Pat. No. 6,044,205 and continuation of application Ser. No. 09/143,888, filed Aug. 31, 1998, now U.S. Pat. No. 6,088,717.

INT-CL: [07] G06 F 15/15, G06 F 13/30

US-CL-ISSUED: 709/201, 709/200, 709/203, 709/212, 709/216, 709/227, 709/229, 707/1, 707/10, 707/102, 707/104

US-CL-CURRENT: 709/201, 707/1, 707/10, 707/102, 707/104.1, 709/200, 709/203,  
709/212, 709/216, 709/227, 709/229

FIELD-OF-SEARCH: 709/200-203, 709/212, 709/216-219, 709/227-229, 709/232, 709/242, 709/244, 707/1, 707/9-10, 707/100-104, 707/200-204

## PRIOR-ART-DISCLOSED:

## U. S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4888726</u>	December 1989	Struger et al.	709/201
<input type="checkbox"/> <u>5167035</u>	November 1992	Mann et al.	714/4
<input type="checkbox"/> <u>5701484</u>	December 1997	Artsy	709/202
<input type="checkbox"/> <u>5878225</u>	March 1999	Bilansky et al.	709/227
<input type="checkbox"/> <u>6044205</u>	March 2000	Reed et al.	709/201

ART-UNIT: 2154

PRIMARY-EXAMINER: Maung, Zarni

ASSISTANT-EXAMINER: Barot, Bharat

ABSTRACT:

An automated communications system operates to transfer data, metadata and methods from a provider computer to a consumer computer through a communications network. The transferred information controls the communications relationship, including responses by the consumer computer, updating of information, and processes for future communications. Information which changes in the provider computer is automatically updated in the consumer computer through the communications system in order to maintain continuity of the relationship. Transfer of metadata and methods permits intelligent processing of information by the consumer computer and combined control by the provider and consumer of the types and content of information subsequently transferred. Object oriented processing is used for storage and transfer of information. The use of metadata and methods further allows for automating many of the actions underlying the communications, including communication acknowledgements and archiving of information. Service objects and partner servers provide specialized data, metadata, and methods to providers and consumers to automate many common communications services and transactions useful to both providers and consumers. A combination of the provider and consumer programs and databases allows for additional functionality, including coordination of multiple users for a single database.

19 Claims, 58 Drawing figures

**WEST**  

L31: Entry 1 of 2

File: USPT

Jul 2, 2002

US-PAT-NO: 6415277

DOCUMENT-IDENTIFIER: US 6415277 B1

TITLE: Method of generating print production tasks using information extracted from enterprise databases

DATE-ISSUED: July 2, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klatt; Cory	Edmonds	WA		
Krum; Brent	Redmond	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Bellevue	WA			02

APPL-NO: 09/ 479668 [PALM]

DATE FILED: January 10, 2000

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION This application is related in subject matter to co-pending U.S. application Ser. No. 09/460,307 now pending; entitled "System and File Structure for Consistent Visual Medium Materials," which was filed on Dec. 13, 1999. That application is incorporated by reference herein.

INT-CL: [07] G06 F 17/30, G06 F 19/00, G06 F 17/00, G06 F 15/16

US-CL-ISSUED: 707/1, 707/104, 707/10, 700/95, 700/233, 709/224

US-CL-CURRENT: 707/1, 700/233, 700/95, 707/10, 709/224

FIELD-OF-SEARCH: 707/1, 707/104, 707/10, 700/95, 700/233, 709/224

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

## Record Display Form

[http://westibr:8002/bin/gate.exe?f=doc&...\\_2=&p\\_doc\\_3=&p\\_doc\\_4=&p\\_doc\\_5=&p\\_doc\\_6=](http://westibr:8002/bin/gate.exe?f=doc&..._2=&p_doc_3=&p_doc_4=&p_doc_5=&p_doc_6=)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#"><u>4817043</u></a>	March 1989	Brown	364/518
<input type="checkbox"/> <a href="#"><u>4873643</u></a>	October 1989	Powell et al.	364/468
<input type="checkbox"/> <a href="#"><u>5036472</u></a>	July 1991	Buckley et al.	364/479
<input type="checkbox"/> <a href="#"><u>5056029</u></a>	October 1991	Cannon	364/468
<input type="checkbox"/> <a href="#"><u>5343556</u></a>	August 1994	Silverberg	395/111
<input type="checkbox"/> <a href="#"><u>5552994</u></a>	September 1996	Cannon et al.	700/95
<input type="checkbox"/> <a href="#"><u>5561604</u></a>	October 1996	Buckley et al.	364/479.05
<input type="checkbox"/> <a href="#"><u>5563999</u></a>	October 1996	Yaksich et al.	395/149
<input type="checkbox"/> <a href="#"><u>5579447</u></a>	November 1996	Salgado	395/109
<input type="checkbox"/> <a href="#"><u>5748484</u></a>	May 1998	Cannon et al.	364/468.1
<input type="checkbox"/> <a href="#"><u>5778367</u></a>	July 1998	Wesinger, Jr. et al.	707/10
<input type="checkbox"/> <a href="#"><u>5844554</u></a>	December 1998	Geller et al.	345/333
<input type="checkbox"/> <a href="#"><u>6133985</u></a>	October 2000	Garfinkle et al.	355/40

ART-UNIT: 2771

PRIMARY-EXAMINER: Coby; Frantz

## ABSTRACT:

Information stored in a corporate database is monitored and used to determine when certain business-related events have occurred. Event information is transmitted over the Internet to a print production facility, where it is used to fire one or more event rules, which in turn automatically generate print requisitions or print production orders. In one variation, print requisitions are routed through an existing and commercially available procurement system before a print production order is generated. The system can monitor and handle events from multiple corporations, each having its own business-related event rules, and each potentially having its own procurement approval system.

29 Claims, 15 Drawing figures

**WEST** Generate Collection 

L32: Entry 1 of 2

File: USPT

Aug 6, 2002

US-PAT-NO: 6429947

DOCUMENT-IDENTIFIER: US 6429947 B1

TITLE: Automated, hosted prepress application

DATE-ISSUED: August 6, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laverty; Timothy A.	Seattle	WA		
Klatt; Cory E.	Edmunds	WA		
Krum; Brent A.	Redmond	WA		
Roy; Larry G.	Bothell	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Kirkland	WA			02

APPL-NO: 09/ 480866 [PALM]

DATE FILED: January 10, 2000

## PARENT-CASE:

This application is related to U.S. patent applications Ser. Nos. 09/480,185, 09/480,332, 09/480,333, 09/480,334, 09/480,335, 09/480,645, 09/480,820, 09/480,821, 09/480,869, 09,480,881, 09/480,980, 09/480,987, 09/481,007, 09/481,010, 09/481,372 and 09/481,550, filed on the same date herewith, which are hereby incorporated by reference. This application is also related to U.S. patent application Ser. No. 09/460,307 filed on Dec. 13, 1999, entitled "System and File Structure for Consistent Visual Medium Materials."

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/1.15; 358/1.9

US-CL-CURRENT: 358/1.15; 358/1.9

FIELD-OF-SEARCH: 358/1.15, 358/1.13, 358/1.14, 358/1.18, 358/1.16, 358/1.1, 358/1.9, 358/1.17, 358/1.11, 358/1.6, 358/1.4, 358/1.3, 358/1.2, 358/407, 358/468, 358/500-501, 707/500, 707/505, 707/506, 707/507, 707/517, 707/527, 707/528, 707/911, 382/162, 382/167

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

PAT-NUMBER	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5029115</u>	July 1991	Geraci	364/523
<input type="checkbox"/> <u>5113356</u>	May 1992	Nickell et al.	358/1.8
<input type="checkbox"/> <u>5581667</u>	December 1996	Bloomberg	358/1.9
<input type="checkbox"/> <u>5625766</u>	April 1997	Kauffman	395/35
<input type="checkbox"/> <u>5666543</u>	September 1997	Gartland	395/788
<input type="checkbox"/> <u>5713032</u>	January 1998	Spencer	395/777
<input type="checkbox"/> <u>5761392</u>	June 1998	Yacoub et al.	357/1.9
<input type="checkbox"/> <u>5848415</u>	December 1998	Guck	707/10
<input type="checkbox"/> <u>5911776</u>	June 1999	Guck	709/217
<input type="checkbox"/> <u>5988899</u>	November 1999	Benson et al.	400/61
<input type="checkbox"/> <u>6011905</u>	January 2000	Huttenlocher et al.	358/1.2
<input type="checkbox"/> <u>6012070</u>	January 2000	Cheng et al.	707/505
<input type="checkbox"/> <u>6049390</u>	April 2000	Notredame et al.	358/1.15
<input type="checkbox"/> <u>6055064</u>	April 2000	Lifshitz et al.	358/1.9
<input type="checkbox"/> <u>6088710</u>	July 2000	Dreyer et al.	707/517
<input type="checkbox"/> <u>6205452</u>	March 2001	Warmsus et al.	707/500
<input type="checkbox"/> <u>6229623</u>	May 2001	VerMurlen	358/1.9

ART-UNIT: 2624

PRIMARY-EXAMINER: Popovici; Dov

## ABSTRACT:

An on-line automated printing system quickly produces consistent printed materials. The system includes front-end customer setup and product setup modules available on a web server. A Print Ready File is produced embodying the product to be printed. The Print Ready File is compiled and all operations on the file can be completed via reference to the information contained therein. A state flag is associated with each element of the file, the flag having states such as preview, print, both, or none. The file is stored on an asset management file server. The file (unchanged) may be previewed or printed using internal flags and logic built-in to the PostScript language. A batcher service batches print jobs. A plater service accepts the Print Ready Files and outputs a plate file to a print vendor's ordering system. Over the Internet the plate file is sent to a vendor computer. The plate file is sent to a raster image processor (RIP) which outputs a bitmap to be printed. Included within the system are any number of hosted prepress applications, each a subsystem. A client application requests processing of a file by one of the subsystems. The client sends the parameters along with input and output files to a master service. The master service selects a lower-level service for conversion. A prepress application module (with hardcoded parameters) processes the file and outputs the result.

6 Claims, 41 Drawing figures

**WEST**
  

L33: Entry 1 of 2

File: USPT

Oct 15, 2002

US-PAT-NO: 6466326

DOCUMENT-IDENTIFIER: US 6466326 B1

TITLE: Printer and printing method

DATE-ISSUED: October 15, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shima, Toshihiro	Nagano			JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Seiko Epson Corporation	Tokyo			JP	03

APPL-NO: 09/ 389094 [PALM]

DATE FILED: September 2, 1999

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	10-254365	September 8, 1998

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 358/1.12; 358/1.13

US-CL-CURRENT: 358/1.12; 358/1.13

FIELD-OF-SEARCH: 358/1.1, 358/1.12, 358/1.15, 358/1.16, 358/498, 710/8, 710/14, 710/16, 710/19, 399/8, 399/9, 399/10, 399/12, 399/18, 399/19, 399/361, 399/364, 101/2

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4829468	May 1989	Nonaka et al.	
<input type="checkbox"/> 5047955	September 1991	Shope et al.	
<input type="checkbox"/> 6141109	October 2000	Yoshida	358/1.12
<input type="checkbox"/> 6330067	December 2001	Murata	358/1.12

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
8-292855	November 1996	JP	
10-138575	May 1998	JP	
10-187377	July 1998	JP	
11-198488	July 1999	JP	

ART-UNIT: 2622

PRIMARY-EXAMINER: Evans, Arthur G.

ABSTRACT:

Print requests issued by an interpretation section 13 are stored in an execution or wait queue of a storage section 21 by way of a print request receiving section 22. The print requests stored in the execution queue are input to an engine control section 15. When a report of completion of printing is issued by the engine control section 15, the print requests for which printing has been performed are deleted from the execution queue. In a case where collation printing is specified for the print requests, the print requests for which printing has been performed are transferred from the execution queue to the collation queue and stored therein. Every time one copy of the print job is completed, the print requests stored in the collation queue are again transferred to the execution queue. Collation printing can be embodied by transfer of the print requests between the execution queue and the collation queue.

14 Claims, 22 Drawing figures

## WEST

 Generate Collection 

L34: Entry 1 of 2

File: USPT

Oct 29, 2002

US-PAT-NO: 6473760

DOCUMENT-IDENTIFIER: US 6473760 B1

TITLE: Apparatus for printing information automatically combined from two different sources

DATE-ISSUED: October 29, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klatt; Cory	Edmonds	WA		
Krum; Brent	Redmond	WA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ImageX, Inc.	Bellevue	WA			02

APPL-NO: 09/ 479909 [PALM]

DATE FILED: January 10, 2000

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION This application is a continuation and is related in subject matter to co-pending U.S. application Ser. No. 09/460,307 now pending, entitled "System and File Structure for Consistent Visual Medium Materials," which was filed on Dec. 13, 1999. That application is incorporated by reference herein.

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10, 707/200, 707/203, 707/205, 270/52.02, 395/200.32

US-CL-CURRENT: 707/10; 270/52.02, 707/200, 707/203, 707/205

FIELD-OF-SEARCH: 707/10, 707/200, 707/203, 707/205, 395/200.32, 270/52.02

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5547178	August 1996	Costello	270/52.02
<input type="checkbox"/> 5563999	October 1996	Yaksich et al.	707/507
<input type="checkbox"/> 5709374	January 1998	Taylor et al.	270/1.02
<input type="checkbox"/> 5793964	August 1998	Rogers et al.	395/200.32
<input type="checkbox"/> 5844554	December 1998	Geller et al.	345/744
<input type="checkbox"/> 6224048	May 2001	Motamed	270/52.02

## OTHER PUBLICATIONS

International Search Report.

ART-UNIT: 2175

PRIMARY-EXAMINER: Rones; Charles L.

ASSISTANT-EXAMINER: Pardo; Thuy

**ABSTRACT:**

Information stored in a corporate database is monitored and used to determine when certain business-related events have occurred. Event information is transmitted over the Internet to a print production facility, where it is used to fire one or more event rules, which in turn automatically generate print requisitions or print production orders. In one variation, print requisitions are routed through an existing and commercially available procurement system before a print production order is generated. The system can monitor and handle events from multiple corporations, each having its own business-related event rules, and each potentially having its own procurement approval system.

14 Claims, 15 Drawing figures